

June 81

INTRODUCING... THE EVANS & SUTHERLAND PS 300



FEATURES:

Line drawing capacity

Up to 95,000 line segments at 30 frames/sec
Up to 85,000 line segments at 33 frames/sec
Update of entire picture for every frame
★ Dynamic perspective or isometric pictures
High quality vector refresh display

Self-contained graphics system

Graphics processes do not use host computer
Incremental changing of graphics data structure
Local interpretation of interactive commands

Host computer independence

RS232 or RS449 communication connections
Can operate from a wide variety of hosts

Distributed graphics

High performance remote from host
Remote operation over standard communication lines

Low system operating cost

Host computer not used in graphics processes
Low graphics programming cost

High level graphics programming

All accesses to memory by name
Easy programming of interactive manipulations
Large function library
Automatic memory management

High quality vector refresh display

Instantaneous response to interaction
2D or 3D data: Translation, rotation, scaling,
zooming, compound transformation, six-sided
clipping

Viewport mapping

Perspective

64 levels of intensity depth cueing

Up to 4 displays

Tablet, Dials, Keyboard

Terminal emulation capability

8,192 x 8,192 screen addressability

The PS 300 is the first of a new family of self contained interactive graphics systems. It is a high-performance distributed graphics system having low system operating cost.

Graphics functions such as memory management, building and modifying graphics data structures and interpretation of interactive commands which previously have been large host computer tasks are done in the PS 300. This new architecture permits the PS 300 to operate efficiently when "loosely coupled" to almost any host processor by standard RS-232 or RS-449 communication connections.

The PS 300 includes start-up self checking and stand-alone fault isolation diagnostics.

Work stations are ergonomically designed with tilt and swivel, anti-glare surface and easily movable interactive devices.

Attractive quantity and OEM discounts.



EVANS & SUTHERLAND
580 Arapeen Drive
Salt Lake City, Utah 84108

INTRODUCING
THE EVANS & SUTHERLAND

PS 300

A general-purpose line-drawing display system for:

CAD/CAM
Seismic-Data Analysis
Computer Animation
Molecular Modeling
Aerospace command/control
Flight Simulation
Geometric Modeling

Graphics Research
Architectural Design
Mine Engineering
Drafting
Mapping
Scientific Research
Finite-Element Analysis

EVANS & SUTHERLAND

Eastern Regional Office

Stan Kiger
Eastern Regional Manager
10 Talcott Notch Road
Farmington, CT 06032
(203) 674-0148

Michael J. Riener
547 East Washington Avenue
Suite 2
Newtown, PA 18940
(215) 968-8705
John Del Negro
1000 Worcester Road
Framingham, MA 01701
(617) 872-4911

Terry Dillon
300 Hospital Drive
Suite 221
Glen Burnie, MD 21061
(301) 760-8353

Ted Naanes
221 East Lake Street
Suite 102
Addison, IL 60101
(312) 941-1312

Jim O'Malley
29563 Northwestern Highway
Suite 15
Southfield, MI 48034
(313) 353-7447

European Sales Office

Ralph Harris
European Regional Manager
Erdinger Str. 7
D-8011 Reithofen/Munich
West Germany
(08124) 8451
Telex: 526839

Japanese Representative

Rikei Corporation
Shinjuku Normura Bldg.
1-26-2 Nishi-Shinjuku, Shinjuku-Ku
Tokyo 160, Japan
(03) 345-1411
Telex: J24208, J23772

Australian Representative

Peter Jones
61 Lavender Street
P.O. Box 373
Milsons Point, NSW 2061
Australia
(02) 920858
Telex: 27987

Western Regional Office

Wayne Wade
Western Regional Manager
18552 MacArthur Blvd.
Suite 375
Irvine, CA 92715
(714) 752-0952

Sheila Fladmark
Dan Loeffler
18552 MacArthur Blvd.
Irvine, CA 92715
(714) 752-0952

Paul Sovellus
2203 Timberloch Place
Suite 100
Woodlands, TX 77380
(713) 367-5552

Edward Cheadle
301-116th Ave. S.E.
Suite 330-D
Bellevue, WA 98004
(206) 454-9682 or 454-9735

Home Office

Jim Callan
General Sales Manager
580 Arapeen Drive
Salt Lake City, Utah 84108
(801) 582-5847
Telex: 389492
Twx: 910-925-5818

Henry Cabal
580 Arapeen Drive
Salt Lake City, Utah 84108
(801) 582-5847
Telex: 389492
Twx: 910-925-5818

Special Systems
John Chatterley
Craig Rasmussen
Jeri Panek
580 Arapeen Drive
Salt Lake City, Utah 84108
(801) 582-5847
Telex: 389492
Twx: 910-925-5818

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EVANS & SUTHERLAND
580 Arapeen Drive
Salt Lake City, Utah 84108

Attention Marketing Dept.

I would like to know more about the Evans & Sutherland:

☐ PS 300

☐ PS2

☐ Romulus 3D Geometric Modeler

☐ Single User

☐ Multi User

☐ E&S Calligraphic Color

Is
the
label
correct?

Computopia
Attn: Mr. Ted Nelson/President
P.O. Box 128
Swarthmore PA 19081

My Host Computer is: _____

My other questions: _____

Company Name _____

Department _____

Job Title _____

Telephone () _____

My area of application is: _____

I need information for: ☐ an active project ☐ reference literature
☐ a future project ☐ have salesman call